

IN THE CLAIMS:

Please cancel claim 1 without prejudice to or disclaimer of the subject matter recited therein.

Please amend claims 2 and 3 as follows:

LISTING OF CURRENT CLAIMS

Claim1. (Canceled)

Claim 2. (Currently Amended) ~~The transfer connection device for wirelessly connecting a mobile phone and a hand-free handset of claim 1;~~ A transfer connection device for wirelessly connecting a mobile phone and a hand-free handset, comprising:

5 a first connector coupling with the mobile phone; and
 a second connector coupling with the hand-free handset for transmitting
 signals between the mobile phone and the hand-free handset through the first
 connector and the second connector in a wireless fashion, wherein the first
10 connector includes a first radio transmitting and receiving unit, a first antenna, a first
 modulation/demodulation unit, a first control unit, a first memory unit, a first
 processing unit, and a first connection interface; wherein

 the first radio transmitting and receiving unit is controlled by the first control
 unit for receiving radio signals from the second connector and for emitting signals
 output by the first modulation/demodulation unit through the first antenna to the
15 second connector;

 the first antenna receives and transmits radio signals;

 the first modulation/demodulation unit is controlled by the first control unit to
 modulate output signals from the first processing unit and transfer to the first radio
 transmitting and receiving unit, and to demodulate radio signals received from the
20 first radio transmitting and receiving unit and transfer to the first processing unit for
 processing;

 the first control unit controls and coordinates all other units in the first
 connector;

the first memory unit stores set values of the first connector and temporarily
25 stores the received and transmitted radio signals;

the first processing unit is controlled by the first control unit for processing
audio voice and control data of the mobile phone and providing to the first
modulation/demodulation unit; and

the first connection interface allows a signal terminal of the mobile phone
30 connecting the first connector, and is selectively a signal line or a socket.

Claim 3. (Currently Amended) ~~The transfer connection device for wirelessly
connecting a mobile phone and a hand-free handset of claim 1;~~ A transfer
connection device for wirelessly connecting a mobile phone and a hand-free
handset, comprising:

5 a first connector coupling with the mobile phone; and
a second connector coupling with the hand-free handset for transmitting
signals between the mobile phone and the hand-free handset through the first
connector and the second connector in a wireless fashion, wherein the second
connector includes a second radio transmitting and receiving unit, a second
10 antenna, a second modulation/demodulation unit, a second control unit, a second
memory unit, a second processing unit, and a second connection interface; wherein:

the second radio transmitting and receiving unit is controlled by the second
control unit for receiving radio signals from the first connector and emitting signals
output by the second modulation/demodulation unit through the second antenna to
15 the first connector;

the second antenna receives and transmits radio signals;

the second modulation/demodulation unit is controlled by the second control
unit to modulate output signals from the second processing unit and transfer to the
second radio transmitting and receiving unit, and to demodulate radio signals
20 received from the second wireless transmitting and receiving unit and transfer to the
second processing unit for processing;

the second control unit controls and coordinates all other units in the second
connector;

the second memory unit stores set values of the second connector and
25 temporarily stores the received and transmitted radio signals;

the second processing unit is controlled by the second control unit for
processing audio voice and control data of the hand-free handset and transferring
to the second modulation/demodulation unit; and

the connection interface allows a signal terminal of the hand-free handset
30 connecting the second connector, and is selectively a signal line or a socket.